

**AMENDMENTS TO THE SPECIFICATION**

Amendments from page 7, paragraph 16 and page 8, paragraphs 17 and 18 from the substitute specification are shown below.

[0016]

Thus, when measurements at two types of position are completed, data including diffracted X-rays and fluorescent X-rays as shown in Figures 2(a), (b) is obtained.

On the other hand, fluorescent X-rays emerge at the same position, and therefore when data of these two measured graphics are ~~canceled~~ cancelled out with each other, only peaks of fluorescent X-rays are erased and diffracted X-rays with positive and negative signs remain. Of the data with these signs, if, for example, only the data with positive signs are collected and the data with negative signs are discarded, data with only diffracted X-rays obtained at the first position as shown in Figure 3(a) are obtained. Furthermore, if the data with positive signs are discarded and only the data with negative signs are collected, only data with diffracted X-rays at the second position are obtained.

[0017]

That is, since the first measured graphic and second measured graphic include data of the same fluorescent X-rays, if these are ~~canceled~~ cancelled out, it is possible to obtain third data with only diffracted X-rays.

[0018]

Next, by ~~caneeling~~ cancelling out the corresponding third data from any one of the first and second measured graphic data, it is possible to extract data with only fluorescent X-rays as shown in Figure 3(b).